

Region 3 PFOA briefing as of 5/3/2016

Issue: Roll out of the new Health Advisory for PFOS and PFOA and the implications for the Regional water systems and enforcement actions currently issued.

Background: We currently have approximately 18 public water supply wells and about 80 private wells exceeding the provisional health advisories (PHA) for PFOS and PFOA (0.2 and 0.4 ppb respectively). These wells are all offline and the homes are being provided bottled water, since the Unregulated Contaminant Monitoring Rule (UCMR) identified these public water supply locations, and we issued Safe Drinking Water Act (SDWA) Emergency Orders to the Navy and Air Force/Air National Guard to sample homes in proximity to their facilities. This is in addition to those covered under the 2009 SDWA Emergency Order to DuPont, to address the 7 water systems and approximately 65 private homes impacted in WV and OH near the Washington Works plant. The revised long term health advisory level (HAL) of 0.070 ppb **combined** for PFOS and PFOA will have a significant impact to each of our existing Orders and will also identify additional sites, not previously investigated. The following summarizes the effect by location.

DuPont Washington Works- the Vienna Water system serving 12,500 persons has all 8 of its wells exceeding the new HAL. We are working to determine the best means to provide alternate water for consumption until permanent treatment can be installed. DuPont is investigating carbon units for emergency installation and/or bottled water. No currently known point of use devices have been certified by NSF, International for filtering PFOA. Region 3 is investigating some POU devices used in Minnesota around the 3M plant.

Ex. 5 Deliberative Process (DP)

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Warminster and Willow Grove Emergency Orders with the Navy and Air Force, PA - The Warminster, Horsham and Warrington public water systems currently have a total of 8 wells off line due to the PHA. The new value will impact 8 additional public water supply wells. While this is a huge impact, we believe the remaining wells and interconnects with other nearby water systems will maintain water pressure and enable these wells to go offline without disruption. There is concern about potential plume migration if some of the current wells don't come back on with treatment soon. There will also be approximately 70 additional homes with private wells exceeding the new HAL, nearly doubling the number homes on bottled water.

Harrisburg Airport- Four wells are currently offline, no further impact is expected under the new HAL. No homes in proximity are impacted. Treatment at the airport is overseen by PADEP.

New Castle area, DE- Treatment was recently installed on the New Castle County public water supply wells. There aren't any additional private wells impacted in this area, but the source has not yet been identified.

Dover AFB, DE- the Dover Air base will now need to provide bottled water to one offsite well impacted by the new HAL.

Fentress Naval Base, VA- the Navy will need to provide bottled water to an additional 5 private homes (new total 7 homes), and are currently expanding their area of sampling at the lower level since PFOA and PFOS are both present and one well was previously missed that exceeds the PHA.

Doylestown Township, PA- One well will be impacted by PFOS. There are numerous other wells in the vicinity not impacted PADEP is trying to verify if that well can be shut down and the system rely on interconnections to other wells. The source had not been identified but there is a small airport close to this well. PADEP has asked EPA to take the lead in investigation and location of any additional private wells in the area and the source of the PFOS.

Martinsburg, WV- two springs have been sporadically impacted by PFOS, as identified by the UCMR sampling, additional sampling is underway to determine current impacts. Sampling results in April confirmed that one spring near a county Airport (which has an Air National Guard contingent on the facility) is impacted. WV is trying to determine if Martinsburg can take this spring source off line and rely on their other spring source when the new HAL is finalized.